SDWIS/STATE User Support Activity Report for the Period May 24 - June 4, 2004

EVENTS OPENED DURING PERIOD - STILL OPEN

SDC-0002-017-DI-6005Q June 7, 2004

Date: Event #: Organization: Originator: Release:

5/27/2004 9584 R5 Ankur Patel 8.0.4.

Status: O

Time Spent: 0.50

SDWIS/STATE

Component: MTS:SBS

Problem/Question: In our cds report we recieved the following errors:

PROCESS NAME--CHLORITE AND CHLORINE DIOXIDE LEVEL EXCEEDENCE CHECK

REASON TEXT--There is not a current MRDL for chlorine dioxide and so CDS Setup cannot check for chlorine dioxide results that exceed its MRDL.

PROCESS NAME--CHLORITE AND CHLORINE DIOXIDE LEVEL EXCEEDENCE CHECK

REASON TEXT--There is not a current MCL for chlorite and so CDS Setup cannot check for chlorite results that exceed its MCL.

I was given the values for these two from our dbp person. My quesion is where do I add these values? In the System Administration Guide it states:

The following analytes may have levels stored in the Analyte Level table, but SDWIS/STATE determines the level compliance for these analytes from the values stored in the Facility Analyte Level table:

[In the list on page (2-15) chlorite and chlorine dioxide appear.]

In the User Manual (pg 6-3) it states:

All levels for both state and federal regulations and requirements for chlorine dioxide and chlorite entry point monitoring are maintained by the Facility Analyte Level Maintenance window.

Respondee(s): Scott Peterson

Resolution: Scott Peterson 5/27/04: Based on the design document for SDWIS/STATE Release 8, you need to enter a MRDL as an Analyte

Level for chlorine dioxide (analyte code 1008) and an MCL as an Analyte Level for chlorite (analyte code 1009). Both can be added

using the function Edit/Analytes, Methods, and Rules/Analyte Level in System Administration

5/26/2004 9573 R8 Linda Wheeler

Status: O

Time Spent: 0.50

SDWIS/STATE

Component: CDS Setup

Problem/Question: I recently ran CDS to check our Group management method of determining compliance. I was concerned about VOCs and which

PWSs had not yet monitored that should have, in the 2002-2004 period. I ran CDS on one analyte - 2981 - to save time, knowing that I had never seen a VOC report from Wyoming that did not include all the VOCs. I found 9 discrepancies (out of 152 PWSs), 6 of which could be explained by correcting the Sample Schedules. There were three, however, that I can not explain. You and I have discussed these and still were unable to explain them. In the case of the first two, VOC data was entered "For Compliance".

The three cases are as follows:

WY5600910 DYNO NOBEL NTNC GW

Sample Sched. (See below) 3Y begin 01/01/2002

Tested 3/25/04

This one should NOT have appeared on the CDS run, but it did.

WY5680107 Grand Teton NP Moran BFLO RNGR NTNC GW

Identical to the above but not documented herein

WY5601474 Wrangler Estates C GW

Sample Sched. (See below) 3Y begin 01/02/2002

Last tested 12/18/01

This one SHOULD have appeared on the CDS run, but it did not.

Further documentation is offered below in the form of Sample Schedules in place at the time of the CDS run.

Respondee(s): Scott Peterson

Resolution: Scott Peterson 6/2/04: I called Chuck today. He told me that they have had trouble getting CDS Setup to run all the way through,

but anticipate they will resolve that today. Once that is done, he plans to try it again and see if he has the same issues. If so, he

will give me a call.

Scott Peterson 5/26/04: I left a message for Chuck Lamb to call me. We will need to look at his data to figure out what is going on.

5/24/2004

9561

SC

Elizabeth Florom

Status:

0

Time Spent:

0.75

SDWIS/STATE

Component: MTS:MBS

Problem/Question:

We are attempting to read in violations for DBPT rule. The message we get through the access report is "Analyte Code supplied is

not appropriate for suppled Violation Type. Check the data dictionary for valid pairings."

See attached .XLS file that shows the analyte code and violation type.

Respondee(s):

Christine Tivel

Resolution:

Christine Tivel 5/24/04: Associations between violation types (TMNVTYPE) and analyte codes (TSAANLYT) are made through the TMNVTAA table. The error message you referenced in your email seems to imply one or both of the following items:

- 1) The appropriate TMNVTAA record associating violation type and analyte code does not exist in your database. Attached is a document that contains the valid pairings for violation types (TMNVTYPE) 27, 43, and 36 and analyte code (TSAANLYT) that currently exist in SDWIS\STATE v8.0. Verify that these associations are established in your TMNVTAA table. (FYI: There is currently no association between violation type 36 and 0300, but the other associations that you listed in your .xls document should exist.)
- 2) The staging table does not reference the appropriate B_VIOLATION_TYPE_IS_NUMBER (position 31-37) of the violation type to which an association should be made. Verify that your staging table references the violation type IS number to which you want to make an association. For example, in the TMNVTYPE table there are multiple violation types for TYPE_CODE = '27'. The .xls spreadsheet you provided us indicates that the analyte code for many of your records is '0999' and the violation type is '27'. Where there are multiple violation type codes, ensure that the IS_NUMBER of the violation type record is supplied in your staging table. For example, in the data that you supplied, you would either need to reference IS_NUMBER '46' (for type '27', MONITORING, ROUTINE (DBP), MAJOR) or '47' (for type '27', MONITORING, ROUTINE (DBP), MINOR) for the software to successfully migrate the data and make the correct association.

6/3/2004

9597

UT

Brett Shakespear

8.0.4

Status:

0

Time Spent: 0.25

SDWIS/STATE

Component: IBS

Problem/Question: I have a question on one field in the B_SERVICE_CONNECTION_CATEGORY staging table.

Does B EFFECTIVE BEGIN DATE (field six) refer to the current year of operation, or the year the water system went into service?

Respondee(s): Scott Peterson

Resolution: Scott Peterson 6/3/04: Brett, there isn't a field 6 called B EFFECTIVE BEGIN DATE in structure set #3 -

B SERVICE CONNECTION CATEGORY. I'm assuming you are referring to field 6 in structure set #4 -

B_WS_POP_Served_Annual_OP_Period. This date should be the date the PWS begin serving the population indicated in the record. If your current system only shows the current population served, then you should ask the program people what date they want to use. Often, in this case, the PWS original active status date is used but, for municipalities, populations are updated every 5

to 10 years, based on US Census.

If my assumption was wrong or you have any other questions, feel free to contact me directly.

6/4/2004 9600 WV Linda Keller/Mike Corbin

Status: O

Time Spent: 0.50

SDWIS/STATE

Component: MBS

Problem/Question: West Virginia, through Mike Corbin, is reporting the same problem we encountered with Missouri. TCR NCD is creating preliminary

violations that reference analyte 3014 (or it might be 3013), rather than 3100. I do not see that we ever figured out what was

causing that problem in DB2 but maybe we did. West Virginia is using Release 8.

Can you see what we found out about the Missouri problem and see if we can provide a solution or workaround to West Virginia?

Respondee(s): Christine Tivel/Cheryl Wilson

Resolution: Cheryl Wilson 6/7/02: The problem referenced in this event was originally reported as a DB2 issue which was resolved with the DB2

8.0.4 release. (See events 7424 and 8955). WV does not use DB2 as its platform, so we need more information to investigate. I

left a voice mail message for Linda to contact us.

Time spent on above events (in hours): 2.5

5/24/2004 9564 AK Maria Ridgway 8.0.5

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: MTF:Actions

Problem/Question: All of the type 27 violations that we sent to SDWIS/FED (using Migration to SDWIS/FED) this quarter were rejected because

SDWIS/FED was looking for a C1131 (a Major/Minor flag, Y/N). Attached is the document that shows the error message, the DTF record, screen shot of the violation, and a screen shot of the FANL (for one PWS). Is this a bug in SDWIS/STATE (Migration to

SDWIS/FED) or was SDWIS/STATE designed not to report a major/minor flag for type 27 violations?

Respondee(s): Scott Peterson

Resolution: Scott Peterson 5/24/04: This is a bug in SDWIS/STATE and was first reported by Virginia nearly a year ago. It has been

addressed in SDWIS/FedRep 1.0 and SDWIS/ODS.

SDWIS/FedRep 1.0 extracts the major/minor flag. For a V-type of 27, there is no validation regarding the major/minor flag. Unlike

SDWIS/FED, SDWIS/ODS will not check the major/minor flag for a V-type of 27.

To resolve this now, you might want to do the following:

1) Add the transaction for DE C1131 to the transactions for this violation and resubmit the DTF as a Traditional Update.

2) For each subsequent quarterly report (using SDWIS/STATE 8.0), after you have run Migrate to SDWIS/FED: Actions, search the DTF for "C1105 27" and add a C1131 transaction wherever the string is found.

If you have any further questions, please let me know. We'll go ahead and close this event but will re-open it if necessary.

5/26/2004 9572 CO Robert Miller 8.0.5 SQL

Status: C

Time Spent: 1.50

SDWIS/STATE

Component: MTF:Sampling

Problem/Question: The problem:

1. SDWIS/STATE has complete records for Lead 90th percentile. When using Migration to SDWIS/FED, some records are excluded in the DTF. This gives Fed the impression that we did not monitor about 700 PWS for periods.

2. Also, the sample count in the Fed DTF is always zero even though SDWIS/STATE has values. This is a secondary issue.

For Analysis of the missing records in the Federal Submission DTF: The Word document shows an example of one (of many) PWS where the samples are complete. It has screen shots of one sample that is in the Migration to SDWIS/FED DTF and one that is not included in the DTF. The Excel workbook has three worksheets:

- One is the entire Submit to Fed DTF file (converted into Excel for ease of lookup). Note the sample count is always zero.
- Another is just the PWS shown in the Word document filtered from the Submit to FED DTF. Note that the DTF file does not match the samples in the front end Word document. Note that the DTF files does not match the query of data in SDWIS/STATE shown in the next worksheet.
- Query of data in SDWIS/STATE (with filter for the one PWS used in the Word document and worksheet above). This is the Access query that Scott wrote in the Access analysis tool for Lead / Copper 90th summary. The last field was added to show what Migration to SDWIS/FED marked as being sent.

I appreciate your immediate assistance to help me determine how to address this issue so that I can send a complete set of Lead/Copper 90th files from my SDWIS/STATE to SDWIS/FED.

SDWIS/STATE 8.0.5 (patch) using MS Windows 2000 and MS SQL Server 2000

Respondee(s):

Scott Peterson

Resolution:

Robert Miller 5/26/04: All of the Lead and Copper files came from two text files. They both appear to have the "for compliance" indicators set to Y(es) in the migrate files. As a warning, I would suggest that all future SDWIS migration with SQL Server check the sample summary table to ensure that the Use for Compliance Indicator is set to Yes. I know that I will.

Thanks for the guidance. I should receive a much "healthier" report from Abe after this analysis is run.

Scott Peterson 5/26/04: There were two problems that led Robert to think that Migrate to SDWIS/FED: Samples, Release 8.0.5, was not working correctly. First, the end date used to report lead in copper data was the current date rather than the latest monitoring period end date. This excluded lead and copper data for monitoring periods with and end date > May 2004. The second problem, a much more significant problem, was a data problem. When Colorado migrated their lead and copper sample data, much of it was migrated as "not for compliance." Of course, Migrate to SDWIS/FED only creates transactions for lead and copper summaries that are "for compliance."

Robert intends to update the summaries so that they are marked as "for compliance" and then rerun Migration to SDWIS/FED. A preliminary query of his data indicates that this will resolve their problems.

Scott Peterson 5/26/04: I suggested that the solution to this apparent problem may be simple. Based upon my brief review of the data you supplied, it appears to me that you followed the directions in our paper verbatim. We mistakenly told you to use, as the end date, today's date. Instead, you should use, as the end date, the latest monitoring period end date of any sample data you want to include in your report to EPA. The sample data you indicated was not included in the DTF had an end date of 12/31/2004. At a minimum, you should use 12/31/2004 as your end date. You should review your sample data because it is possible that an even later end date should be used.

Please rerun Migration to SDWIS/FED:Sampling, selecting the same begin date you originally used (I'd be interested in knowing the begin date you used) and an end date in accordance with the above discussion. Since you have already marked some of your sample data as "Acccepted," this data will not be included in the DTF this time (unless, of course, you made changes in any of those records that were previously accepted).

5/25/2004 9568 IA Mike Weimann

Status: C

Time Spent: 1.00

SDWIS/STATE

Component: MTF:Sampling

Problem/Question: Mike called the User Support Hotline with a question regarding errors lowa received after their copper was processed. The error

read, "EEL C2111 MUST NOT BE < 1.35 FOR COPPER". Mike asked, when I Migration to SDWIS/FED in the SDWIS/STATE software, "How come the 1.31 - 1.33 were not picked up by the software? Why were they allowed to get through the system, and then when the copper was precessed through the SDWIS/FED software. I had 11 rejects. Low trying to understand this

then when the copper was processed through the SDWIS/FED software I had 11 rejects. I am trying to understand this.

Respondee(s): Christine Tivel

Resolution: Christine Tivel 5/25/04: Section 8.2.2.3.1 of the SDWIS/STATE 8.0 Design Document details the design requirements for the

Migration to SDWIS/FED: Sampling program and the reporting of CU90 summary results in SDWIS/STATE 8.0 (and releases going back to SDWIS/STATE 5.3). One of the requirements for extracting CU90 data from SDWIS/STATE 8.0 (and that is detailed in this

design document) is that:

Sample Summary Result is greater than 1.3 mg/l or 1300 ug/l.

We understand that this criterion is different than the design requirement for extracting CU90 data in SDWIS/FedRep (which will replace SDWIS/STATE Migration to SDWIS/FED). In SDWIS/FedRep, the extraction criteria was changed for CU90 results to

implement the requirement as follows:

Sample Summary Result is greater than or equal to 1.35 mg/l or 1350 ug/l.

Users of SDWIS/STATE 8.0 MTF should expect errors if they have a CU90 sample result that is greater than 1.3 mg/l and less than 1.35 mg/l and are submitting this data to SDWIS/FED.

5/25/2004

9569

ΙL

Sandy Frank

Status:

С

Time Spent:

3.00

SDWIS/STATE

Component: CDS Setup

Problem/Question:

This seems to happen every time I get ready to do my SDWIS/FED migration and it puts me behind schedule. We can't seem to get

CDS to come to finish. I'm sending you a copy of the TCDSSLOG table. I'm not sure where to look to find the

problem.

Respondee(s):

Caesar Vinegas

Resolution:

Sandy Frank 5/26/04: Yes, it was. We have one of our Labs that just started using a new Lims Systems to generate samples in the EDI format and they were using the wrong UOM, plus our ALRA table was wrong. That's been fixed and CDS is running on a PC, this time so I can watch it. It should be done in about 2-3 hours. It's passed that previous problem though so I have confidence it will be okay. I'll email you when it's finished to make sure everything is okay. Again, thanks for all your help. I want to know when you're going to teach a class in trouble-shooting SDWIS problems, I want to be the first one signed up.

Caesar Vinegas 5/25/04: You have a result for PWS with TINWSYS_IS_NUMBER = 717492 whose TSASAR_IS_NUMBER = 3142843 under schedule with TMNSASCH_IS_NUMBER = 1047075 with concentration of 2120 MG/L for Iron (TSAANLYT_IS_NUMBER = 23). This might be an erroneous data entry considering the MCL for iron in your TMNALRA is 1000 UG/L. The problem was coming up because CDS Setup is trying to convert 2120 MG/L into UG/L units whose result will be 2,120,000 UG/L - a value more than the TMNMPAVG.MEASURE field can handle. I believe all measure fields in SDWIS/STATE can only store a value with 6 digits before the decimal (and 9 decimal places).

5/28/2004

9589

IL

Sandy Frank

8.0.5.

Status:

С

Time Spent:

0.50

SDWIS/STATE

Component: MTF:Sampling

Problem/Question: I noticed our Migration to Fed from SDWIS does not put a C1131 record of a "Y" for contaminants 2950 or 2456 (C1103) and

because of that, I would get an error from the FEDs "EKF Contaminant Invalid For this DBPR VIOL".

So what I do here now is put this record in the DTF. Not sure why this is happening, but I am guessing it is a SDWIS issue and not

and SDWIS/FED issue.

I am just reporting this. I have created my own workaround.

Respondee(s): Dianna Heaberlin

Resolution: Dianna Heaberlin 5/31/04: SDWIS/STATE will support any flow you wish to add. SDWIS/FED has restrictions on flows; a WSF may

not flow to itself nor may a source flow to a source. Many states currently "ignore" these errors since they wish to express their

flows as they appear in the field.

When you move to SDWIS/FedRep and the new SDWIS ODS, these errors will no longer appear.

Sandy Frank 5/31/04: Terri just told me she changed that one.

WL3 flows to TP03 WL4 flows to TP03 TP03 flows to DS

(which then flows to TP02)

DS flows to TP02 (this is a reverse flows and not allowed in

SDWIS/FED) TP02 flows to DS

Any suggestion on how best to show this?

Dianna Heaberlin 5/31/04: This was identified in Event #9564. Your workaround is the appropriate response. This will go away

when you start using SDWIS FedRep.

5/31/2004 9603 IL Sandy Frank 8.0.5.

Status: C Time Spent: 0.50

SDWIS/STATE

Component: MTF:Inventory

Problem/Question: I have a flows question:

WL3 flows to TP03 WL4 flows to TP03 TP03 flows to DS

(which then flows to TP02)

DS flows to TP02 (this is a reverse flows and not allowed in

SDWIS/FED) TP02 flows to DS

Any suggestion on how best to show this?

Respondee(s): Dianna Heaberlin

Resolution: Dianna Heaberlin 5/31/04: This was identified in Event #9564. Your workaround is the appropriate response. This will go away

when you start using SDWIS FedRep.

5/27/2004 9576 ILEPA Jeff Mitzelfelt 8.0 NT

Status: C

Time Spent: 7.50

SDWIS/STATE

Component: CDS Setup

Problem/Question: We have recently started having an issue with the start up of CDS from the Scheduler on our Windows2000 Server box. We are not

sure what is going on and Jeremy and I thought you could help us.

During normal operation, two process appear in the Processes list on the windows machine, cdsstat.exe and cds0100e.exe. These process do not shutdown upon completion of CDS and need to be terminated manually. I usually do this after I have checked to

see that the log file is no longer locked.

The problem we are having began recently and although it is reproducible, we are having trouble correcting the problem. We have recently started experimenting with SQL Server on this box and it appears that when the sqlservr.exe process is running, CDS does not start correctly. When this happens the cds0100e.exe process is activated but the cdsstat.exe process never starts. In addition, the log file is never created. If I shut sqlservr.exe, then CDS starts normally.

The Scheduler is setup to run cdssetup.exe

There is one other issue that we have noticed and that is when we try to run the process, MS Office wants to install some additional software and never lets us start CDS. This has never been a issue when we are running from the Scheduler so we had not noticed it before we were trying to do the diagnose this problem. This problem occurs whether sqlserver.exe is running or not.

Respondee(s): Caesar Vinegas

Resolution:

Caesar Vinegas 05/27/2004: CDS Setup was designed to display the CDS Status window with the progress bars either when run interactively or when activated by the scheduler. This is so the user is visually made aware of how far along it went, done or not done. This is why at the end of CDS Setup, the user is required to interactively "terminate" it. I know this was not your issue, but I thought you'd want a rationale for something you may think is annoying. On the other hand, are you saying that the CDS Setup window does not display when it is activated from the scheduler?

I tried to reproduce the problem re: SQLServer and CDS Setup. We don't have SQLServer 2000 but I was able to download a trial version. However, I am not able to reproduce the problem. I was able to run CDS Setup to completion using the scheduler. I have no good answers for this one.

I was able to pinpoint the source of your second issue to the active-x controls we use on the CDS Status window, specifically the three progress bars. Try as I may to figure out all its dependencies, I've only gotten so far as to verify that all the dlls needed are all matching (same version), in my working and non-working workstation. Even then, when I run CDS Setup, the installation for Office is invoked. I can only conclude that the active-x (mscomctl.ocx) we used may not have had all its dependencies come with windows because when I put the Office 2K Pro CD in and after it installed what it was looking for, the issue was gone. In other words, the workaround is to have Office install what it is looking for. It may be a moot point now, but in the next release we will try to use an active-x that is not dependent on the Office 2K installation.

Here's the good news...FYI, CDS0100E.EXE is the main CDS Setup process while CDSSTAT.EXE is nothing but the CDS Status window. There is absolutely no data processing accomplished by the latter executable. If you do not care for visually checking how far along CDS Setup has gone each run, here is what you can do: If you have a local thick client install of SDWIS/STATE on your Win2K Server installation, you can rename CDSSTAT.EXE to CDSSTAT.XXX for example. Doing this will bypass running CDSSTAT.EXE altogether but CDS Setup processing will still proceed normally (invoked either via scheduler or interactively). However, please note that the CDS Status window will also not show up when run interactively, thereby also indirectly addressing your second issue.

5/24/2004 9559 KY Stephen Poreda

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: MTS:IBS

Problem/Question: 1. I migrated TMGLGENT and then checked the report - 2171 rows accepted, 0 rows rejected

2. I migrated TMGWSYS and then checked the report - 2032 rows accepted, 0 rows rejected

3. I migrated TMGSCC and then checked the report - 0 rows accepted, 2024 rows rejected

REJECTION REASON(S): MIGR REJECT: Value supplied for a mandatory field does not exist in the database. Staging table

problem field name - B_PWS_NUMBER

I checked TINWSYS and all the PWS numbers for the TMGSCC rows are present in TINWSYS. What happened? Where should I

look to find the cause of the rejections?

Respondee(s): Vicki Gupta

Resolution: Vicki Gupta:05/24/2004: I called Stephen regarding the issue of having rows for three states in the TINPRT table. I asked him to

follow the instructions mentioned in Chapter 5 of the Installation Guide for SDWIS/STATE Release 8.0 to run

ADDROW TINPRT.SQL script and call me if he still has problems.

6/2/2004 9595 KY Steve Poreda 8.0.4.

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: MTS:MBS

Problem/Question: The issue is with Structure Set #14 - Valid Pair. What I have done so far is as follows:

1. I have carefully reviewed the contents and structure of my structure set file and have concluded that it is exactly as it should be.

2. I have loaded the text file into the staging table and have examined TMGVPAIR and it appears to be in good order.

3. I have migrated TMGVPAIR to SDWIS/STATE.

4. After the migration I checked the Post-Migration Review reports.

a. Inital Results of Processing indicated 1867 Accepted, 2171 Changed, 304 Rejected.

b. Rejected Rows by Staging Table contained the Rejection Reason(s) MIGR REJECT: The Staging Table Row contained no Valid

Data from which a SDWIS/LAN Oracle Table Row could be created.

- c. The Changed Rows By Staging Table Report: Staging Table Problem Field = "Creation Failed"; Changed in Destination = TINTOPA.
- 5. There is no table TINTOPA in the Oracle database. There is no TINTOPA listed in the zzv80.log file.
- 6. There is, however, a table TINTROPA in the database (also listed in the zzv80.log file.)
- 7. I checked the contents of TINTROPA and it appears that the objective/process pairs have been migrated to TINTROPA.
- 8. The unit processes were correctly migrated to TINUNPRO (hence the 1867 accepted rows).
- 9. When using the Inventory application in SDWIS/STATE, I have found that the unit processes have all been correctly assigned to their respective PWS.
- 10. The application, however, will not allow me to assign Objective/Process pairs to a Unit Process (most of the buttons are grayed out).
- 11. My assumption is (and I could be wrong) that the application is looking to add Objective/Process rows to TINTOPA which does not exist.
- 12. It appears to me that the Migration Tool is placing these rows in TINTROPA but the application is looking for them in TINTOPA.
- 13. I have not been able to locate any reference to a possible solution in the Installation Guide or Administration Guide.
- 14. Is there something I have overlooked? Do you know of a solution to this problem?

Respondee(s):

Dianna Heaberlin

Resolution:

Dianna Heaberlin 6/3/04: We will consider this event closed with a reminder to use the x.3 portion of each structure set if you wish to investigate where the data is being migrated. Also we will note that in the next release the type in error/change message and the 14.3 table should be corrected to read TINTROPA instead of TINTOPA.

Steve Poreda 6/3/04: What I found most helpful was the list of tables you wanted me to send you. I investigated each of these and discovered that TINTROBJ and TINTRPRO (which come pre-populated in the starter database) were apparently corrupted. It never occurred to me to look into these for possible problems. I re-imported these tables from the zzv80 file and everything now works perfectly. Sorry for any incovenience.

Dianna Heaberlin 6/2/04: I have added some comments/explanations to your comments/questions below.

Please send me the following tables in an Access database:

TINWSF, TINUNPRO, TINTROPA, TINTRPRO, TINTROBJ, TINVTOPA, and TMGVPAIR along with the rejection report at your

earliest convenience.

6/3/2004

9598

ME

Mike Corbin

Status:

С

Time Spent: 2.00

SDWIS/STATE

Component: MTS:Import Text

Problem/Question: During a recent migration of FANLs into two SDWIS/State schemas, the import tables contained trailing zeros in the concentration

level for the compliance of the SWTR and DBPR rules (i.e., 0.080 mg/L for TTHM). After a post migration review, we found the trailing zeros were removed from the concentration level (i.e., 0.08 mg/L for TTHM). Please review this process due to the fact that

compliance is determined at the trailing zero significant digit level.

Respondee(s): Cheryl Wilson

Resolution: Donna Irwin 6/7/04: The event was promoted to SIR for SSWr1.

Cheryl Wilson 6/5/04: Thank you for bringing this to our attention. We were able to recreate your issue using SDWIS/STATE MTS versions 8.0 and 8.1. This issue will be addressed in the next version of Migration to SDWIS/STATE for SSWR1. In the meantime, you are able to go in online and change the FANL to include the trailing zero. If you have any futher questions or comments, please

contact the hotline.

5/27/2004 9579 MI Kristen Phillip 8.0.4 SQL

Status: C

Time Spent: 1.25

SDWIS/STATE

Component: MBS

Problem/Question: Michigan has not been utilizing TCR Noncompliance or the CDS component of SDWIS/STATE. We are undertaking a project here

that requires we get these up and running in the relatively near future. I would like to start with the easy part: TCR Noncompliance. It has been so long since I was trained on this that I remember very little. If someone could talk with me for a little while and answer

a few questions about TCR Setup, some business practices, and EDI, it would be appreciated.

We are running 8.0.4. Actually, not all the desktops have been upgraded from 8.0, but the database has been. We are on SQL

Server 2000, Windows 2000, and Office XP.

Respondee(s): Scott Peterson

Resolution: Scott Peterson and Kris talked on Friday, May 2, 2004. The following summarizes the discussion.

(1) Kris was concerned about all the associations TCR NCD Setup was making between old Monitoring Periods, the TCR Rule, and Water Systems. Scott suggested that they use TCR NCD instead of TCR NCD Setup to create these associations, as it only creates associations for current and future monitoring periods; not past ones.

- (2) Michigan requires some of their systems to monitoring for total coliform in raw water samples and she was wondering what impact, if any, this would have on TCR NCD. Scott told Kris that, in Release 8, SDWIS/STATE thinks a "For Compliance," "Routine" total coliform sample was collected under TCR, regardless of which facility it is tied to. Therefore, to prevent these from being considered by the TCR functions, they should either enter these as Special, not for compliance samples or enter them using a different analyte code (perhaps 3000). Scott also suggested that she talk to other SDWIS/STATE users, like Illinois, who have this same issue to see what they are doing.
- (3) Scott advised Kris that they will need to make a static water system group for each regional agency that is responsible for TCR compliance so that these regional TCR compliance officers can run TCR Precomp for the current monitoring period. When a new water system is added, the water system needs to be associated to both the state regulating agency as well as the regional agency. In addition, each new water system needs to be added to the appropriate static water system group.
- (4) Scott sent Kris a copy of the materials used to train people to use SDWIS/STATE to implement the PN Rule. These were sent to provide Kris with some examples of PN Activities and Standard Responses she could use in Michigan.
- (5) Kris indicated that it will be difficult for them to tie repeat samples to their original positives and asked for suggestions. After some discussion, we determined that they could make the association in WaterChem, i.e., prior to migrating the results into SDWIS/STATE (in Michigan, all their PWS sample data will first be entered into an information system called WaterChem and then will be migrated into SDWIS/STATE from it WaterChem serves as a repository of more than just PWS sample data). Scott also found out that Illinois expected their labs and PWS operators to supply the original sample ID when submitting repeat samples and implemented by issuing repeat M&R violations if it was not supplied. Labs now know to obtain the original sample ID when repeat samples are submitted for analysis.

5/24/2004 9565 ND Barrett Brown

Status: C

Time Spent: 1.00

SDWIS/STATE

Component: MBS

Problem/Question: When SDWIS calculates the MRDL from entered field results, does it have the ability to include the residual data from a sample that

was rejected (exceeding holding time). In ND we have the requirement that a system includes the residual data from all compliance TCR samples taken, including rejected samples (since they were originally taken as a compliance sample) as well as accepted

samples when calculating the MPA.

I am assuming that this cannot be done since the rejected sample isn't linked to a monitoring period, only results are linked to

monitoring periods.

Please let me know if this can be done or not.

Respondee(s): Scott Peterson

Resolution: Scott Peterson 5/25/04: According to Section 7 of our Release 8 design, the Calculate MRDL Summaries will only use a field result

if its parent TC sample is already associated to a Monitoring Period. If a TC sample is changed to rejected after being added as a For Compliance, non-rejected sample, the link to Monitoring Period is retained and thus an associated field result will be used (I

tested it and found it to be so – even though it appears that the result has been deleted).

If a sample is initially entered as rejected, the software does not create a result for the sample and thus an association to a Monitoring Period is impossible. So, in this case, field results for the sample are not taken into account (I also tested this).

The first approach is a good workaround because TCR NCD does not count the negative result for the rejected sample when it does it's calculations.

Here is how the design reads:

The software will select Facility Analyte Levels (FANL) associated to distribution system WSFs that are associated to water systems regulated by the user specified Agency of Control Level Type MAX and Analyte Code of 0999 or 1006 and whose Effective Period falls within the user-specified date range. This may retrieve one or more FANLs. If no FANL is found, the software moves on to the next process.

For each FANL found, it will be necessary to check each TCR routine or temporary routine schedule whose Effective Period End Dates are either open (null) or fall within the user-specified date range. This may result in one or more TCR schedules.

For each TCR schedule found, the software will select monitoring period(s) that fall within the user-specified date range and that match the periodicity specified by the TCR schedule.

For each monitoring period found, the software will create an MDBP summary of type MRDL associated to the WSF, FANL, and

monitoring period, setting Date Reported to current date, and setting fields using the following instructions:

Set SAMPLES REQUIRED to the value in the current TCR Schedule's Monitoring Requirement Sample Count.

The software will find all routine total coliform samples marked for compliance associated to a result for analyte 3100 that is associated to the current monitoring period. The software will select and count the number of samples with a value in either the FIELD_FREE_CHLORINE_RESIDUAL_MSR or FIELD_TOTAL_CHLORINE_RESIDUAL_MSR attributes of the TSAMCSMP table and store this as the SAMPLES COLLECTED.

6/2/2004 9596 ND Barrett Brown 8.0.4

Status: C

Time Spent: 0.25

SDWIS/STATE

Component: MBS

Problem/Question: Not sure if this is a reported problem or not; if it is, please point me to the Event ID #, the only thing I could find related to 6.1.

I am able to enter overlapping TCR schedules; the Non-TCR overlap check appears to be working. The attached document

contains screenshots of the schedules.

I noticed that the design doc for SSWr1 calls for an overlap check for TCR schedules, is this a new requirement or is there an issue

with 8.0.4?

Respondee(s): Leslie Flagler

Resolution: Leslie Flagler 6/3/04: It is a reported problem, event 9154. It has to do with the end date being set to null. We will be fixing it in

SSWr1.

6/1/2004 9594 NJ Freddie Grier 8.0.4

Status: C Time Spent: 0.25

SDWIS/STATE

Component: General User Interface

Problem/Question: I see that the state code (NJ) is defaulted on some add screens but not the search screens. I want to know if there is some user

code that we can add to New Jersey's SDWIS/STATE software that would take the state code and have it default to 'NJ' in the first

two positions of Water System Number in the those screens.

Respondee(s): Cheryl Wilson

Resolution: Cheryl Wilson 6/1/04: Sent the following to Freddie via email: No, currently there is no user code that you can add to have the

software default to NJ when you are required to enter a WS number. This will change with SSWR1, where the State code will be a default value whenever the user needs to enter a WS number. With SSWR1, the user will be able to accept the defaulted State

code or change as appropriate.

5/28/2004 9592 NV Judy Neubert 8.0.5.

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: MTF:Actions

Problem/Question: I spoke with Mark Rathbun today. He says that the actions dtf files generated by SDWIS/STATE that I sent him have some fields

offset by one space for those violations that have notes in the REMARKS_TEXT field from the TMNVIOL table. I was surprised that the REMARKS_TEXT field was even included in the dtf. Mark said he would try to rework the information in Excel. Is there a patch for this problem? We are using SDWIS 8.05 on an Oracle 9i server. I don't think we have had this problem before, so am puzzled

about what may have changed.

Respondee(s): Cheryl Wilson

Resolution: Cheryl Wilson 6/7/04: You are correct--changes to 8.0.5 did not affect your issue. I believe you are seeing the results of a similar

issue that has been reported before, but for the comments field.

If the user inserted a hard return when entering information in the Remarks_Text field online, when the data is reported to SDWIS/FED, it will offset your text. To correct the problem, you'll need to remove any hard returns in the remarks file via online SDWIS/STATE. In the future, users should not use the hard return when entering information in any remarks or comments field that

will be reported to SDWIS/FED.

6/4/2004 9601 NV Judy Neubert

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: CDS Setup

Problem/Question: Nevada (Judy Neubert and Jon Dahl) is reporting a problem with CDS Setup - the process that creates lead and copper 90th

percentile summary records. The process is creating summaries for most of the lead and copper results but is not for some. A review of the schedule and results did not identify any reason why summaries should not be created. This is the second primacy agency reporting this (EPA Region 5 talked to Dianna and me after the ASDWA Data Management Conference but since it was only

one summary in question, they decided to just enter it an move on).

Respondee(s): Scott Peterson

Resolution: Raghu Charugundla 6/7/2004: I have created a schema from the export file that I downloaded from the ftp site. Call me for the

schema name and password.

Dianna Heaberlin 6/5/04: Attached is an email from Jesse Dahl with directions to an FTP site with the latest Nevada schema. They have an event with 90th lead and copper summary not being created, reported by Scott on Thursday. Please run a trace on this

schema to determine the problem and possible solution.

If you want to look at the Region 5 schema, I sent it on a CD last week. I do not remember the exact water system that caused the

problem there, but you could call Jon Barney and he will provide that information.

Scott Peterson 6/4/2004: Please send the PWS IDs of two or three systems for which CDS Setup is not creating the expected lead and copper summaries, so that we can start the trace next week. Please include the hotline email in your email as I will be out next

week.

Scott Peterson 6/3/04: I've asked Nevada to send us a copy of their schema so that we can trace it. I will forward the email with

the ftp site once I receive it.

5/27/2004 9578 OR Evan Hofeld 8.0 SQL

Status: C

Time Spent: 0.50

SDWIS/STATE

Component: CDS Setup

Problem/Question: I've heard that there some some scripts that need to be run each time prior to running CDS Setup.

Respondee(s): Donna Irwin

Resolution: Donna Irwin 5/28/04: Evan reported that he received the scripts.

Donna Irwin 5/27/04: I e-mailed the SQL scripts to Evan (with e-mails Caesar sent to Sandy Frank).

5/24/2004 9558 R5 Jonathan Barney 8.0.4

Status: C

Time Spent: 3.25

SDWIS/STATE

Component: MTF:Inventory

Problem/Question: Today Ankur and I found that we are unable to run Migration to SDWIS/FED: Inventory even when logged in as schema owner

(r5v80). We get a different error message from the one that results from an attempt when logged in as SDWIS/STATE SysAdmin

(ourselves) (see Event 9533). The following is the new message:

TIRM030E: Application failed - Updates have been backed out

TIRM031E: Failing procedure exit data follows:

TIRM032E: Last or current action block id = 0001638513

TIRM033E: Last or current action block name = DELETE-DTF FORM A2

TIRM034E: Last or current database statement = 0

TIRM035E: Current statement being processed = 0000000020

TIRM038E: *** Fatal database error was encountered ***

TIRM039E: DB last status = DB

return code = 0

TIRM046E: *** Processing terminated ***
TIRM044E: *** Press OK to continue ***

Respondee(s): Caesar Vinegas

Resolution: Caesar Vinegas 5/27/04: Truncating the table solved the problem.

Caesar Vinegas 5/26/04: Have you also tried Raghu's recent suggestion below to truncate table TUPDTFA2? Raghu and I suspect a corruption on this table because, despite using the schema owner to run MTF, it still causes an error. There is no harm in clearing (or re-creating) this table, as it is only used as a temporary table for running Migration to SDWIS/FED. Please do the following logged in as schema owner:

- 1) use "TRUNCATE TABLE TUPDTFA2;" at the SQL Plus prompt.
- 2) Run MTF twice in succession (need to do so because the application path where the error occurs presumes some records in

this table added by the first MTF run.

- 3) If still same error occurs, I'd like you to re-create the table. From the SQL Plus prompt:
- a) DROP TABLE TUPDTFA2 CASCADE CONSTRAINTS; COMMIT;

```
b) CREATE TABLE TUPDTFA2
  (TUPDTFA2 IS NUMBER
                              NUMBER(7)
                                             NOT NULL,
   FORM ID
                        CHAR(2)
                                     NOT NULL.
   DATA QUALIFIER 1
                            CHAR(9)
                                         NOT NULL,
   DATA QUALIFIER 2
                            CHAR(7)
                                         NOT NULL,
   DATA QUALIFIER 3
                            CHAR(7)
   ACTION CODE
                                        NOT NULL.
                          CHAR(1)
   DATA ELEMENT NUM
                              CHAR(5)
                                           NOT NULL,
   DATA VALUE
                          CHAR(40)
                                       NOT NULL,
   ERROR CODE
                          CHAR(3)
   BATCH DATE
                          CHAR(6)
                                       NOT NULL.
  CONSTRAINT IDTFA201
  PRIMARY KEY
   (TUPDTFA2 IS NUMBER
   USING INDEX):
    COMMIT;
```

3) Test MTF again (twice) and see if the error occurs.

Remember to do the above as schema owner. Assuming everything is working after the above, I believe you need to run additional scripts to re-establish synonyms, roles, etc for your other users to recognize the newly recreated table. Raghu can help you further with this.

Hope the above works. If not, we'll need to explore other avenues.

6/1/2004 9593 R5 Ankur Patel 8.0.4.

Status: C

Time Spent: 0.25

SDWIS/STATE

Component: SBS

EVENTS OPENED DURING PERIOD - CLOSED

Date: Event #: Organization: Originator: Release:

Problem/Question: When one enters a sample for TCR and clicks on 'P' in the Total Coliform Result box, what table does this update?

Respondee(s): Kelvin Foreman

Resolution: Kelvin Foreman 6/1/04: The TSAMAR table is updated. The field is the presence indicator code.

5/25/2004 9567 SC H. Lamar Self 8.0 NT

Status: C

Time Spent: 0.75

SDWIS/STATE

Component: General User Interface

Problem/Question: Liz Florom and H. Lamar Self contacted the Hotline as they were not able to open the Enforcment Reports option via the main

menu during their training session.

Respondee(s): Cheryl Wilson/Julie Bruns

Resolution: Cheryl Wilson 5/25/04: Liz and Lamar called from their training session in SC. They were not able to open Enforcment Reports via

the SDWIS menus. At first, they were able to open the .mdb through Explorer, but no data displayed in the tables. We relinked the

tables correctly and were able to view the data, but still could not open the reports via the menu. The problem was with the SDWIS.INI file. It was missing more than one path line, including the EBS.mdb path. Based on what was showing in their SDWIS.INI file and the modified date, it looks like some information was deleted after they installed the software. I sent them another copy via email. They copied the .ini file to the correct folder, relinked the tables and had no problems opening the reports.

Time spent on above events (in hours): 26

EVENTS OPENED DURING PREVIOUS PERIOD - CLOSED THIS PERIOD

Date: Event #: Organization: Originator: Release:

5/20/2004 9550 NM Richard Asbury DWW

Status: C

Time Spent: 1.00

SDWIS/STATE

Component: Drinking Water Watch

Problem/Question: Richard called and said he received a copy of the DWW from Oklahoma. He would like to receive the documentation or release

notes with installation instructions for the DWW.

Respondee(s): Claudette Hoyes

Resolution: Donna Irwin 5/27/04: Richard asked for help with the installation. I asked Fazal to respond.

Claudette Hoyes 5/24/04: Fazal spoke with Richard Asbury. A CD with the complete software on it is being sent to Richard by

Federal Express.

Richard Asbury 5/21/04: Could I also get a copy of the Create Public User.sgl script that is referred to in DWW release notes?

Claudette Hoyes 5/20/04: I sent a copy of the DDW Release Notes via e-mail today.

Fazal: The SDWIS HOME variable was not being set correctly. The problem was resolved when the variable was set correctly.

5/17/2004 9533 R5 Jonathan Barney 8.0.4

Status: C

Time Spent: 1.25

SDWIS/STATE

Component: MTF:Inventory

Problem/Question: I have System Administrator rights in SDWIS/STATE, but receive the error message below when I try to initiate Migration to

SDWIS/FED: Inventory. If I log in as the schema owner, it runs properly.

TIRM030E: Application failed - Updates have been backed out

TIRM031E: Failing procedure exit data follows:

TIRM032E: Last or current action block id = 0056819715

TIRM033E: Last or current action block name =

MTF INITIAL UPLOAD INVENTORY

TIRM034E: Last or current database statement = 19

TIRM035E: Current statement being processed = 0000000019

TIRM038E: *** Fatal database error was encountered ***

TIRM039E: DB last status = DB

ORA-00942: table or view does not exist

return code = -942

TIRM046E: *** Processing terminated ***
TIRM044E: *** Press OK to continue ***

Respondee(s):

Raghu Charugundla/Christine Tivel

Resolution:

Raghu Charugundla 5/28/2004: Andre told that he was no longer getting the reported error by logging in as a SDWIS/STATE user. Dropping and creating the SDWIS Roles and Users appeared to have fixed the "ORA-00942: table or view does not exist" problem. Andre received another error running Migration to SDWIS/Fed, which was an application/data error. Since Jon already reported this new error in event 9558 and Caesar was working on it, I told Andre that I would close 9533.

Jonathan Barney 5/24/04: We have not tried re-creating the roles and user accounts yet. Because of user scheduling, we are planning to try this on this coming Wednesday. We will let you know if that solves the problem.

Raghu Charugundla 5/24/04: What happened after you dropped then created SDWIS roles and user accounts? When you ran Migration to SDWIS/Fed using a new SDWIS User ID, did you receive the same error that you reported connecting as the schema owner?

Caesar indicated that the COOL:Gen action block "DELETE- DTF_FORM_A2" where the error occurred accesses temporary table TUPDTFA2. Please delete the data in TUPDTFA2 and run the program to see if this is causing the error (e.g., use TRUNCATE TABLE TUPDTFA2; at the SQL Plus prompt).

If the above does not fix the problem, a second option would be to drop the TUPDTFA2 table and import it from ZZV80.DMP or BASEV80.DMP file which we distributed as part of SDWIS/STATE 8.0 schema migration.

Jonathan Barney 5/21/04: Andre is planning to take the steps you outlined to see if that will take care of the problem.

Raghu Charugundla 5/18/04: Listed below is steps to re-create the SDWIS/STATE roles in your current environment. I am suggesting this option since you said you had a handful of SDWIS user accounts in your system.

- 1. Ensure that no SDWIS/STATE activity is going on which requires access to the R5V80 database.
- 2. Connect as a DBA user (e.g., system) or SchemaOwner (R5V80) using SQL Plus.

- 3. Run Create_Role.SQL file, which can be found under the C:\SDWIS_MIGRATE70TO80\DBA_SCRIPTS folder. The script, when run, will prompt for values for the schema name, its password, connect string, etc. variables.
- 4. Make sure you run the above script successfully.
- 5. (a) Reset all SDWIS/STATE users by running RESET_USER.SQL once for each user account; or (b) Write down the users account information (e.g., User ID, password). Drop the users (e.g., drop user tester1). Create the users by running Create_User.SQL, which is located in the C:\SDWIS_MIGRATE70TO80\DBA_SCRIPTS folder.

I successfully ran Migration to SDWIS/FED: Inventory with all the options checked on a test schema.

Jonathan Barney 5/17/04: Andre Cleveland, our Oracle DBA, first tried resetting my account with RESET_USER, and that had no affect on the error. He then dropped my account completely and re-created it with CREATE_USER. Still no affect on the error. Perhaps the next step should be for the Oracle DBAs to troubleshoot.

Christine Tivel 5/14/04: In our conversation, you had indicated that your User ID is able to perform Add, Change, and Delete functions appropriately throughout the SDWIS/STATE application. After discussing this error with Raghu, we believe that one of the synonyms that your User ID is pointing to is corrupt or does not exist (and therefore you are receiving this error message).

We think that you should be able to run the RESET_USER script to correct the issue. Alternatively, you can drop your User ID completely and then re-create it using the CREATE_USER script. (I have attached both of these scripts for your convenience.)

Time spent on above events (in hours): 2.25

Total time on all events (in hours): 30.75